

ABSTRACT OF THE DISCLOSURE

A tracking error detection device for an optical disk apparatus comprises a detecting unit which includes at least two detectors and detects a reflected light from a series of pits formed on an optical disk, 5 a phase comparing unit which detects a phase difference of outputs of the at least two detectors, and a low-pass filter which smoothes an output of the phase comparing unit, a cut-off frequency of the low-pass 10 filter being higher than a frequency at which a spectrum of a modulation code recorded in the optical disk becomes -10dB and lower than a frequency at which the spectrum of the modulation code recorded in the optical disk becomes -5dB.